

FIG. 4

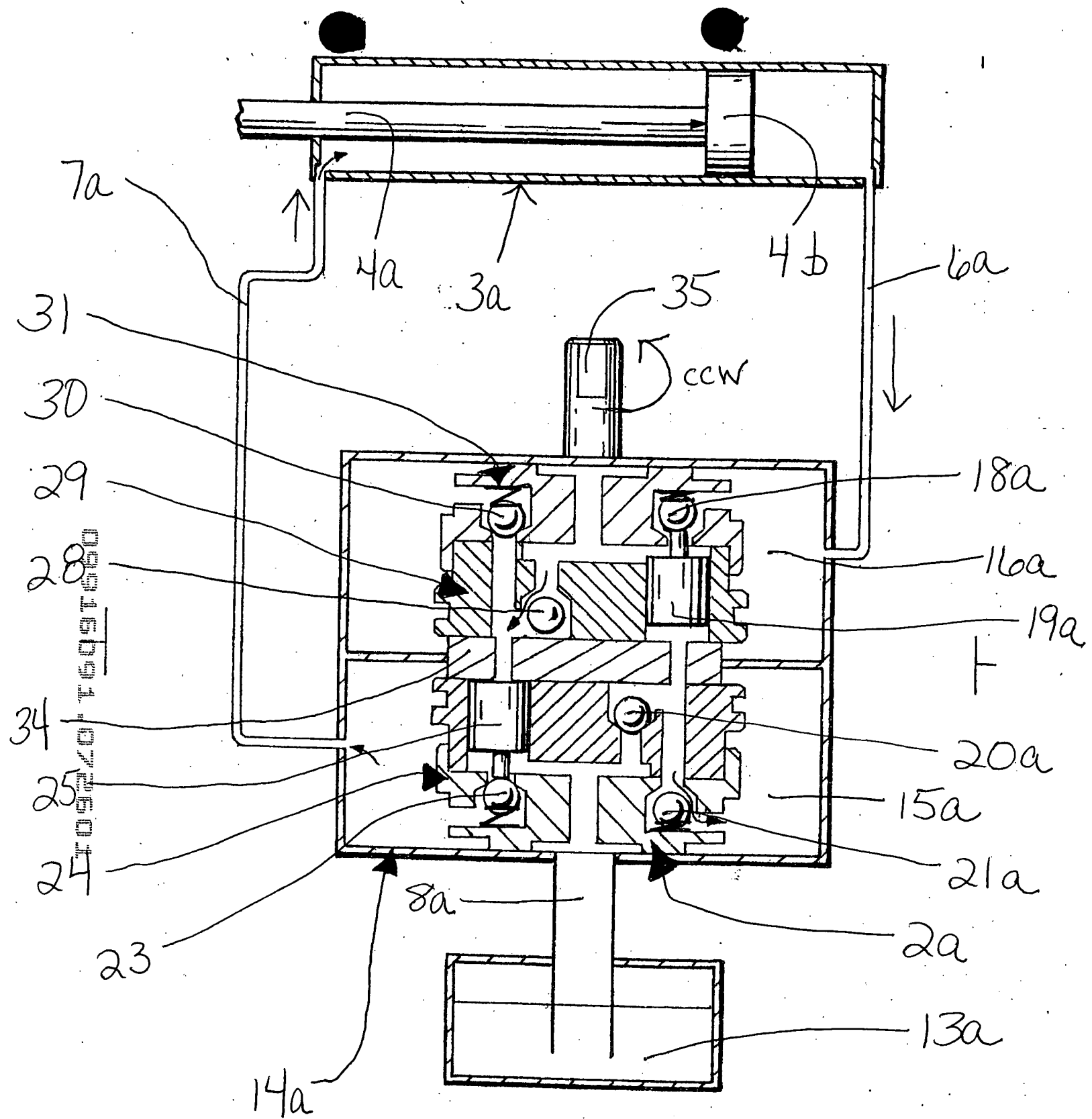
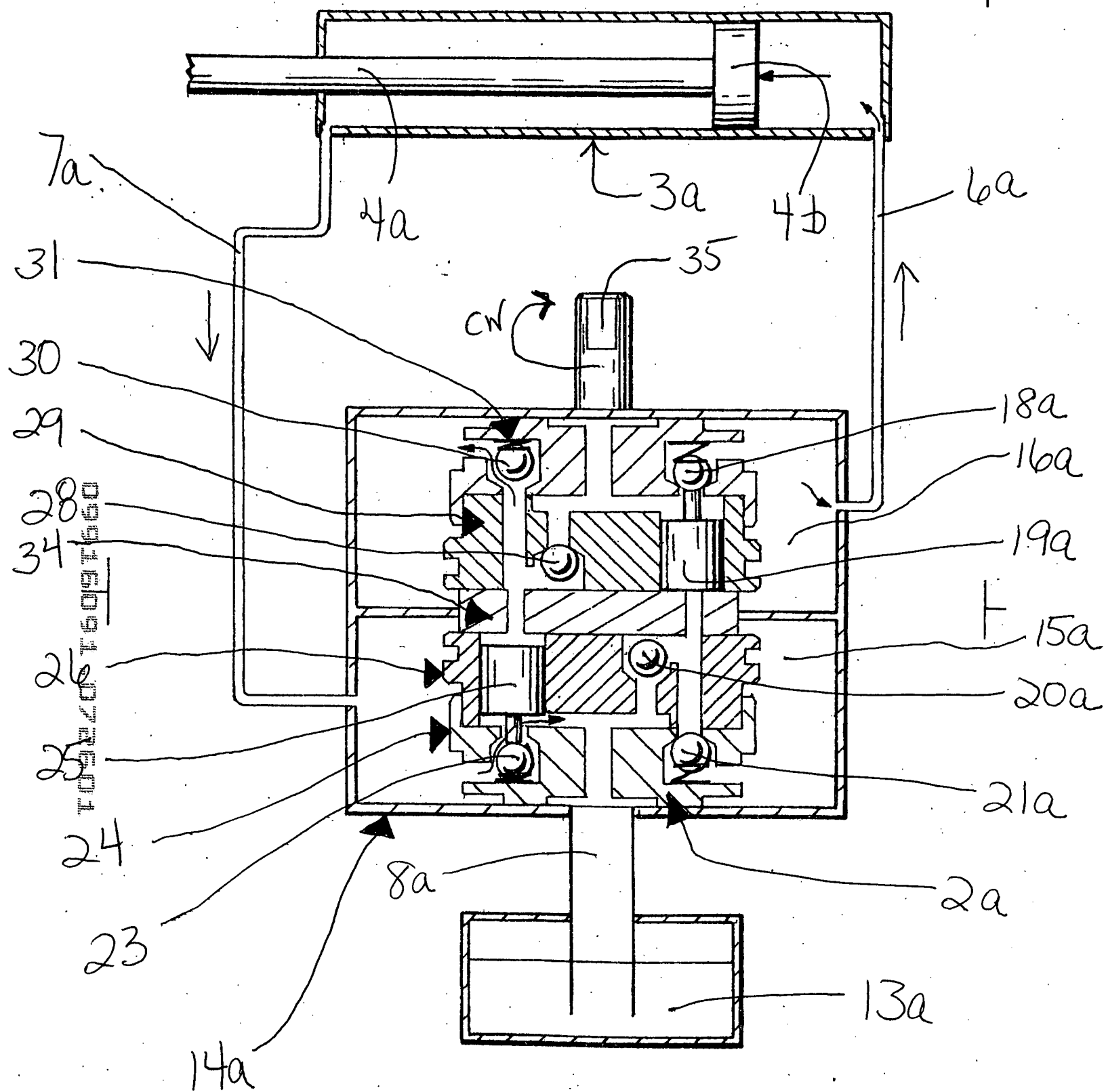


FIG. 5



09:16:01.072601

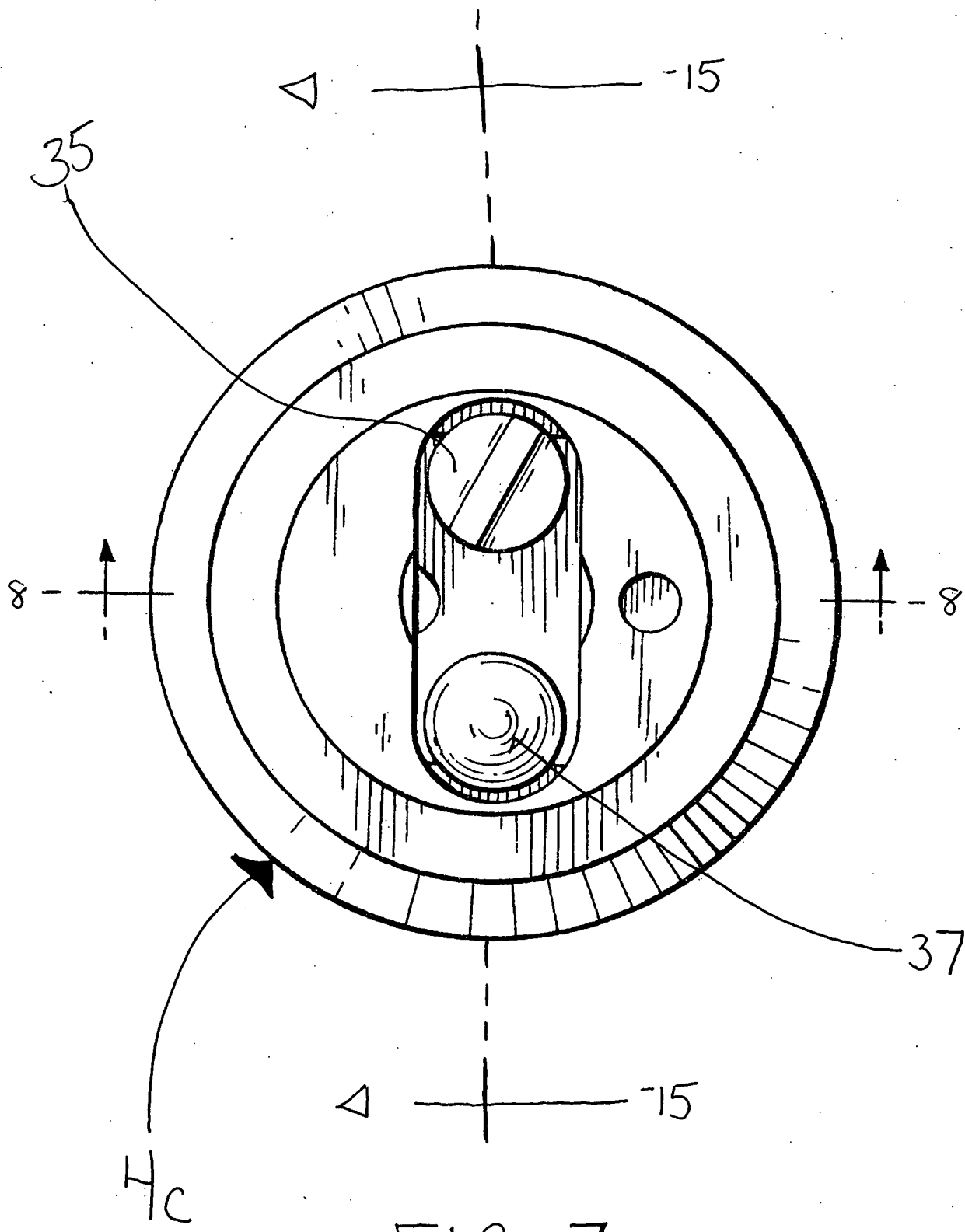
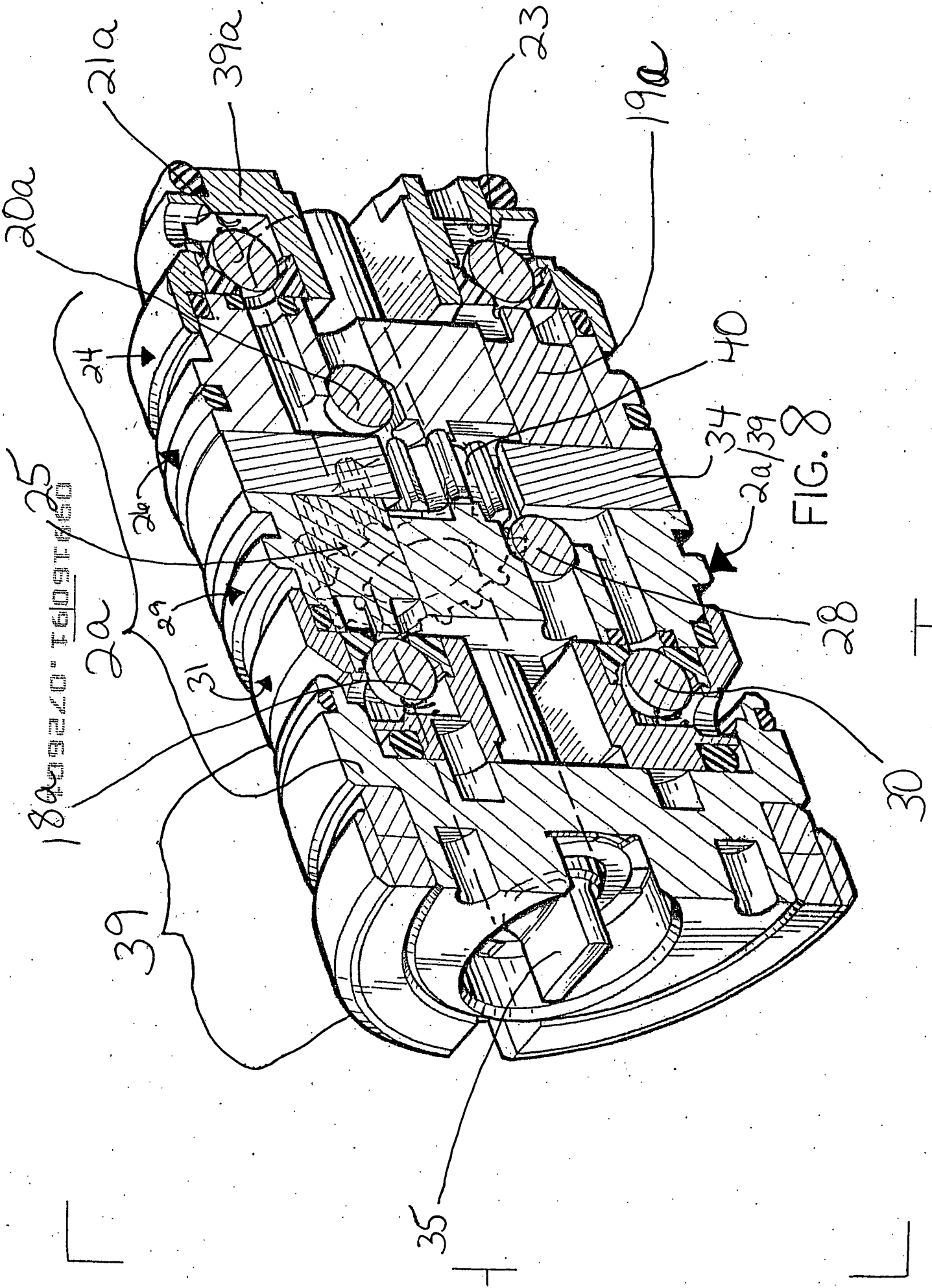
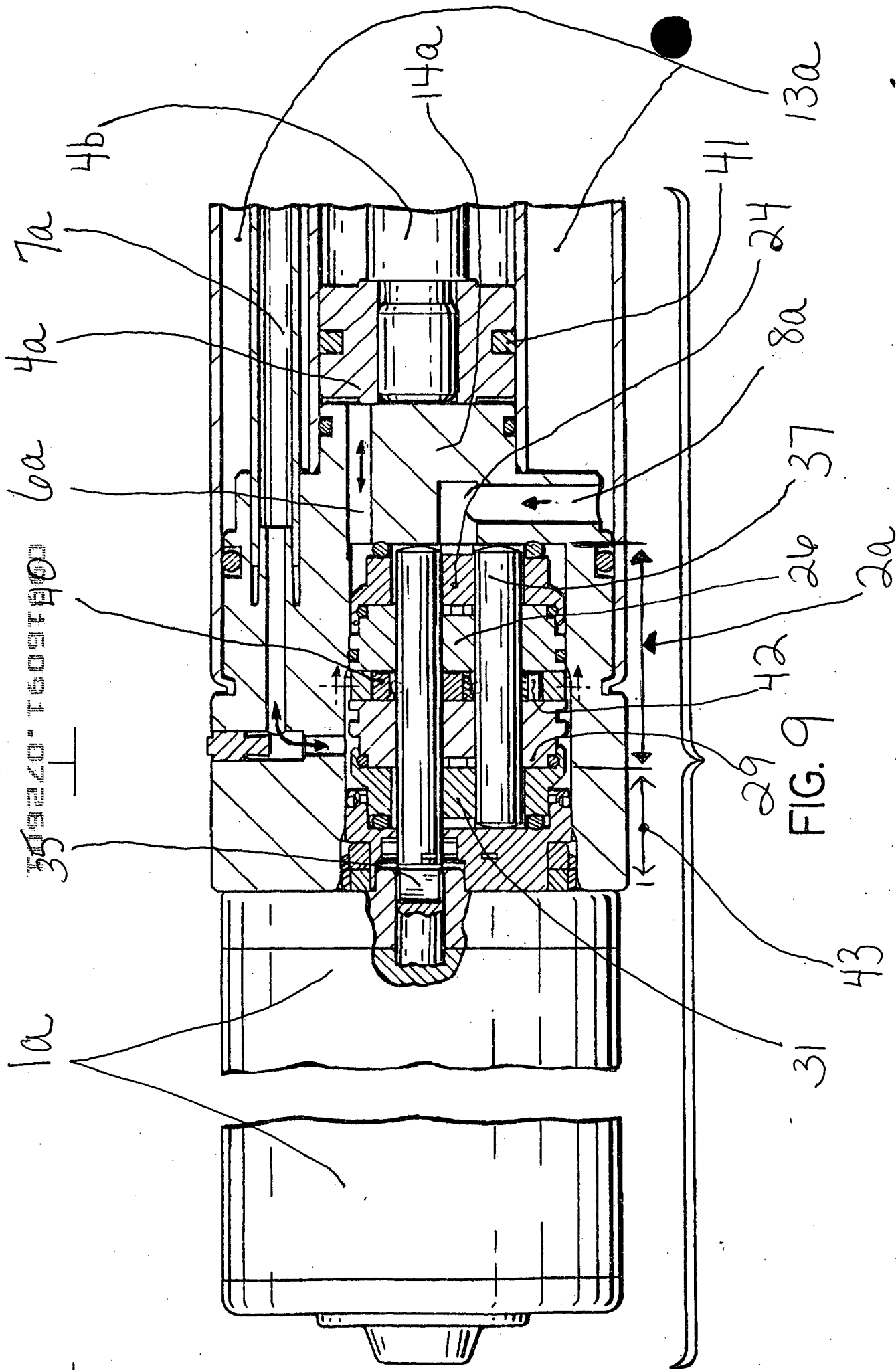


FIG. 7







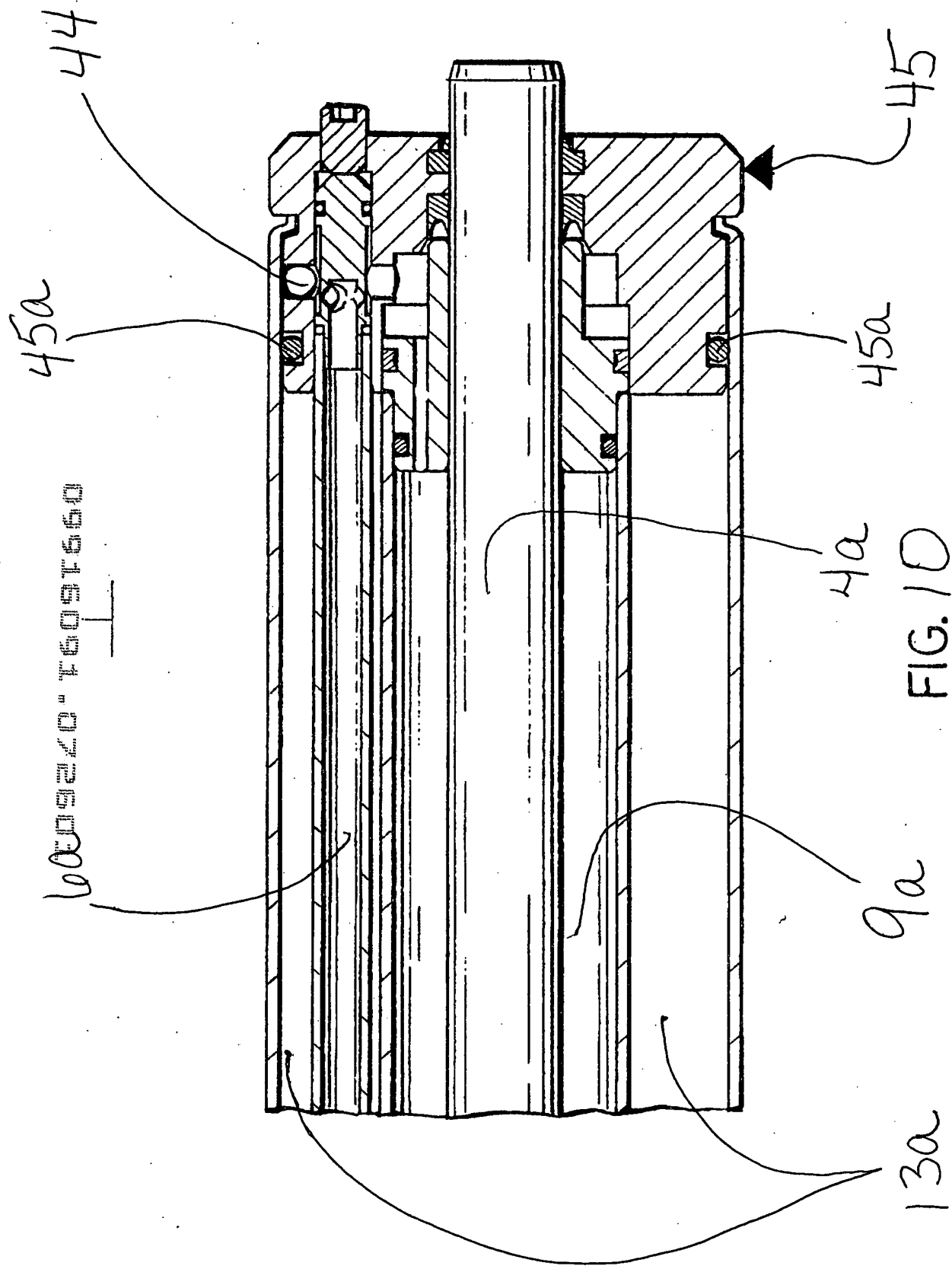


FIG. 10

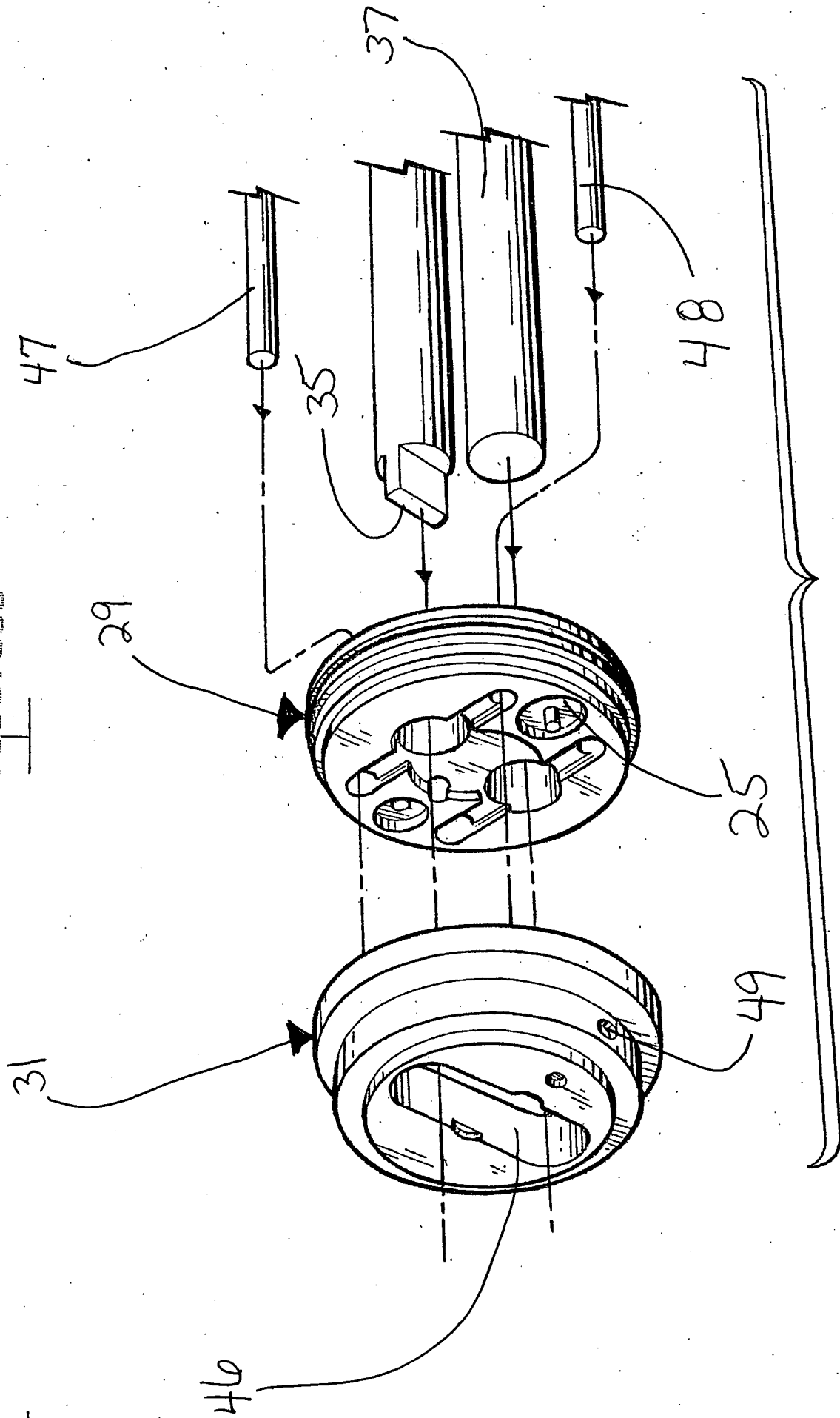


FIG. 11

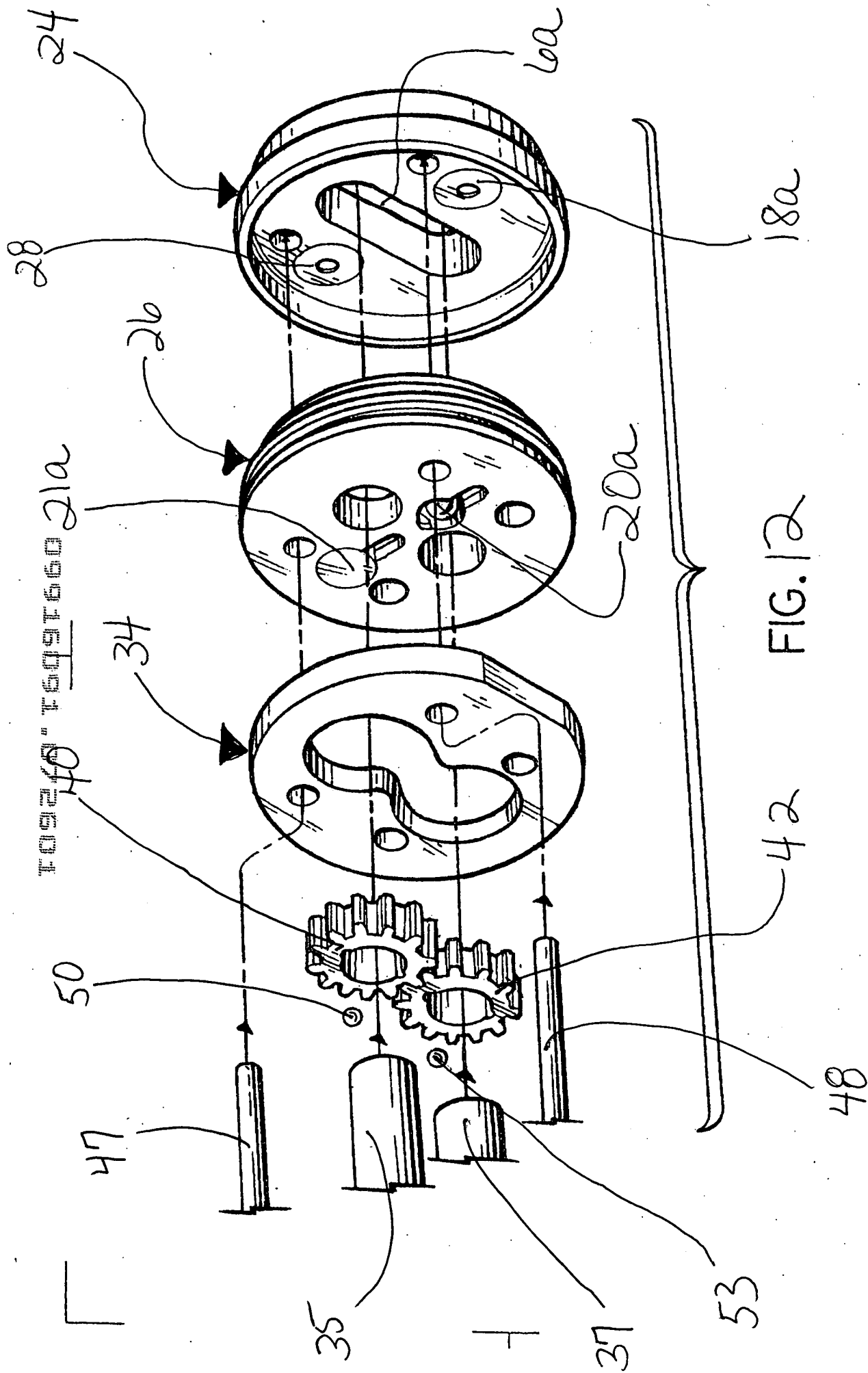


FIG. 12

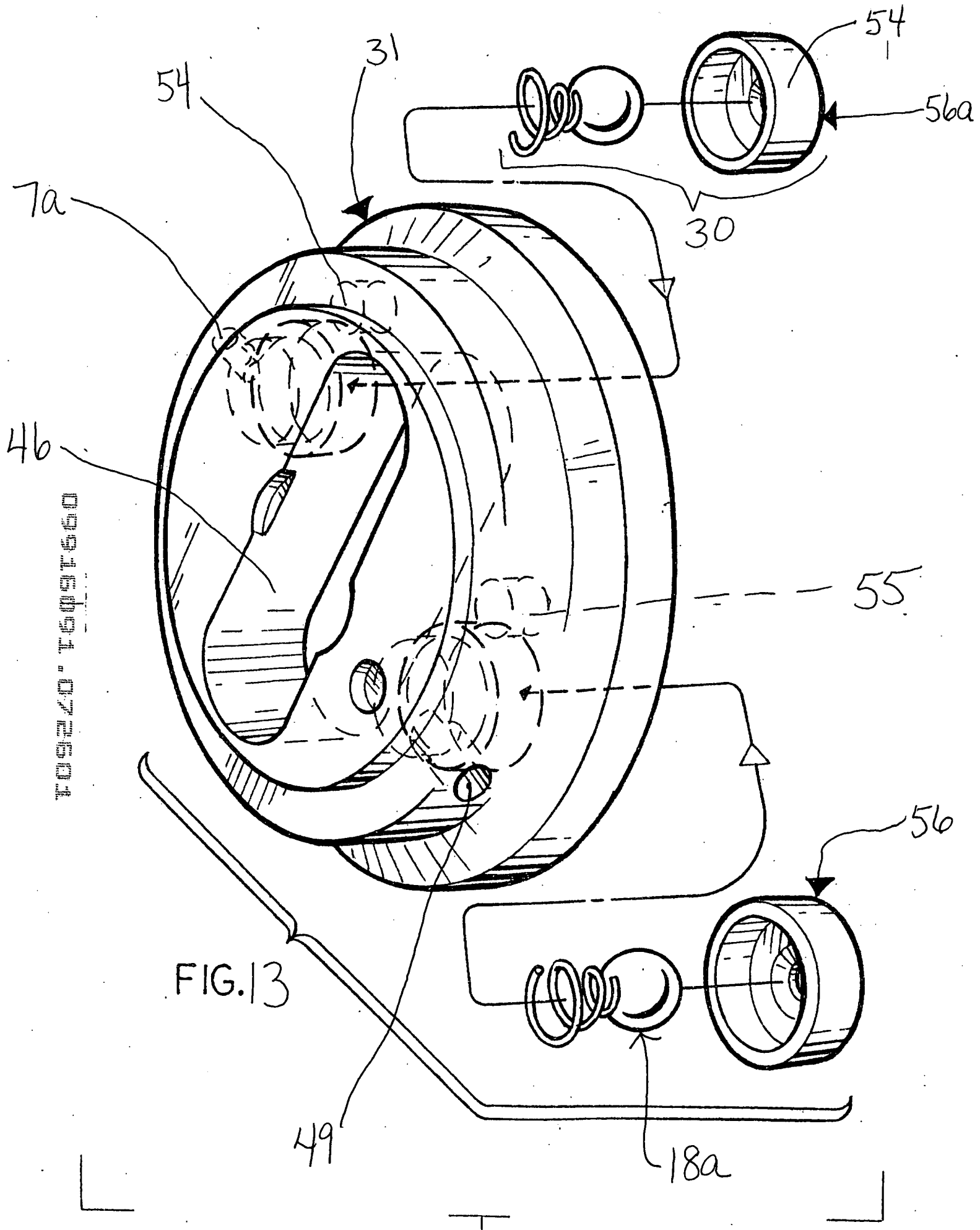


FIG. 13

09915b91.072601

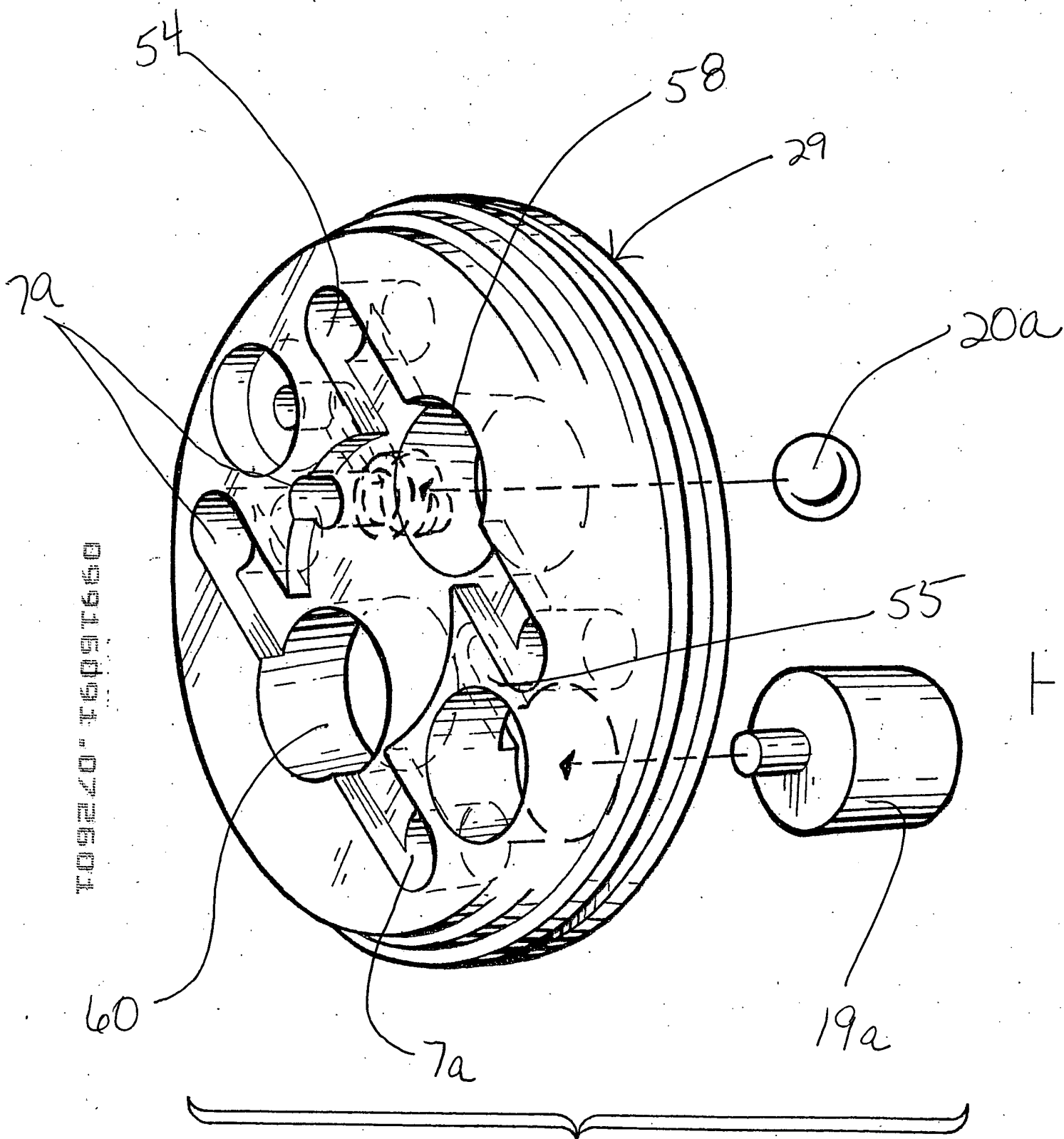
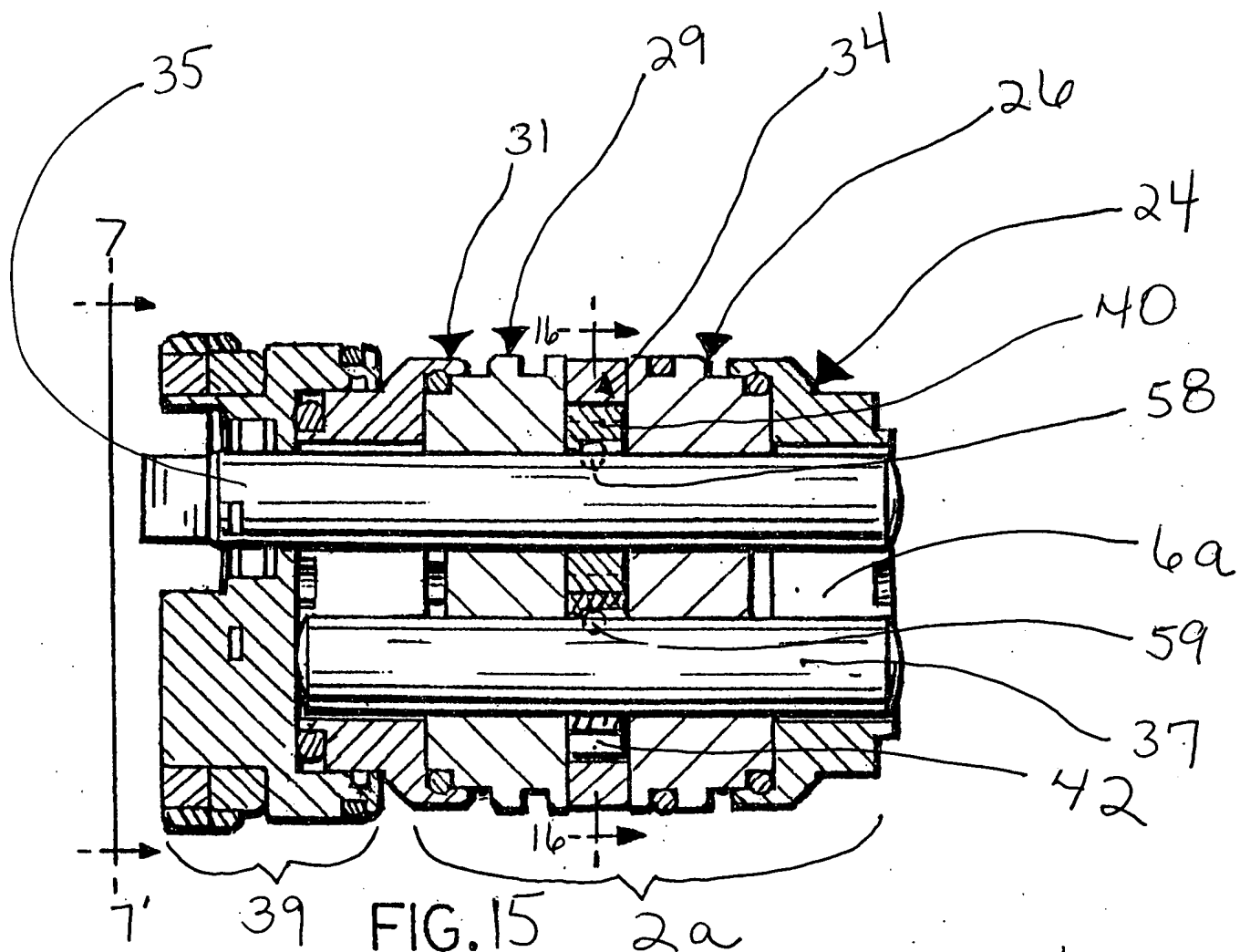


FIG. 14

00010001 07001



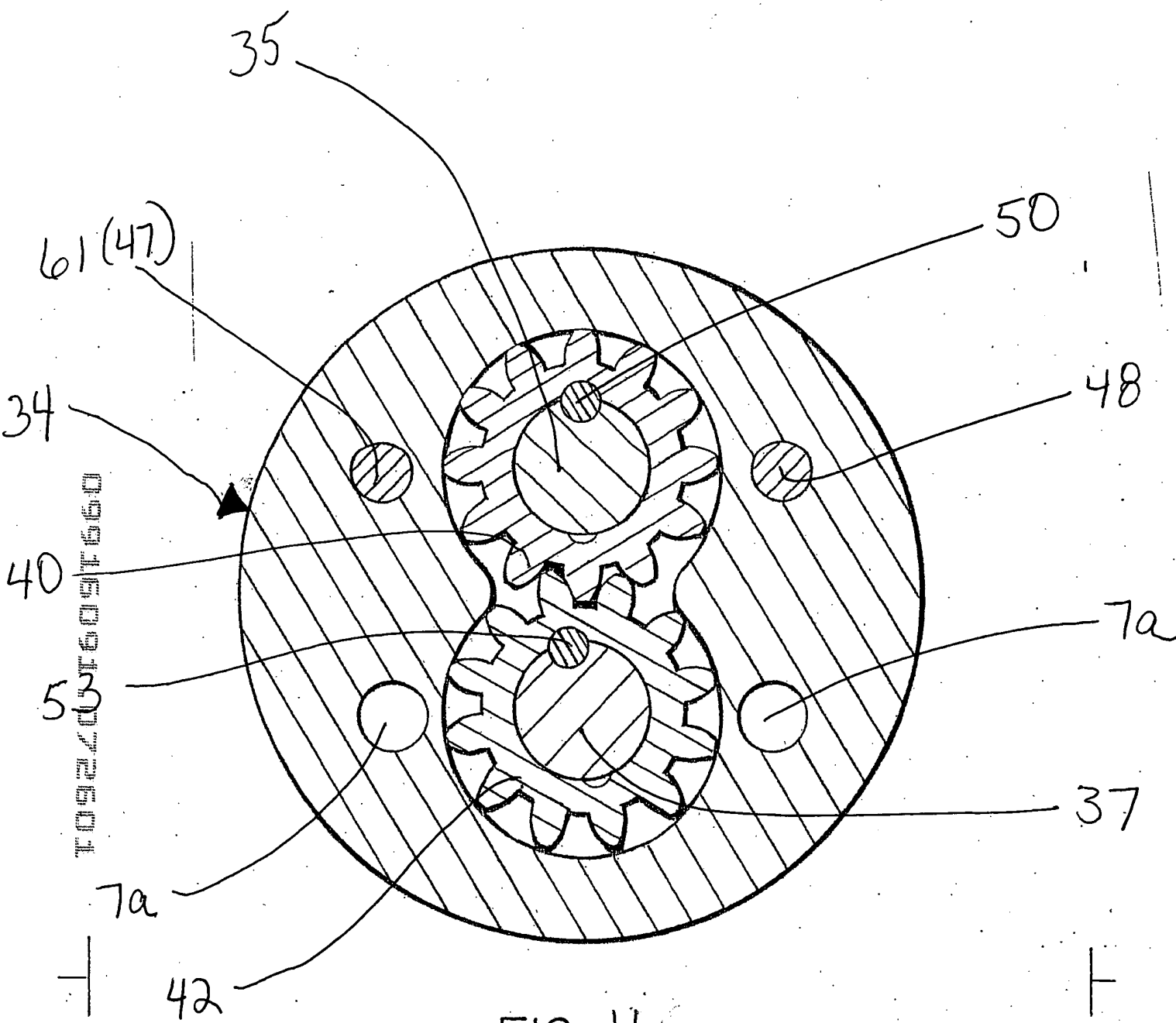


FIG. 16

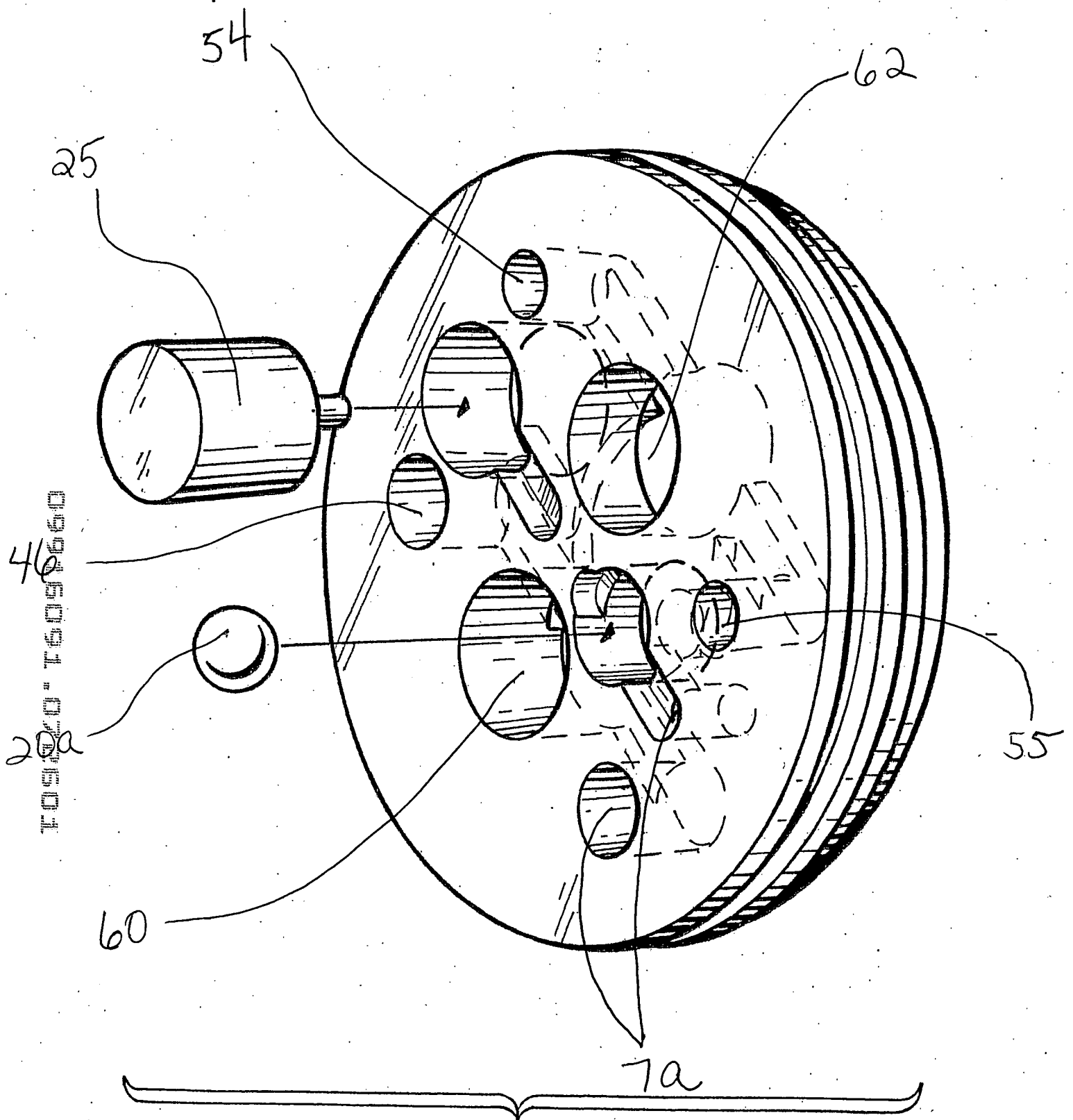


FIG. 17



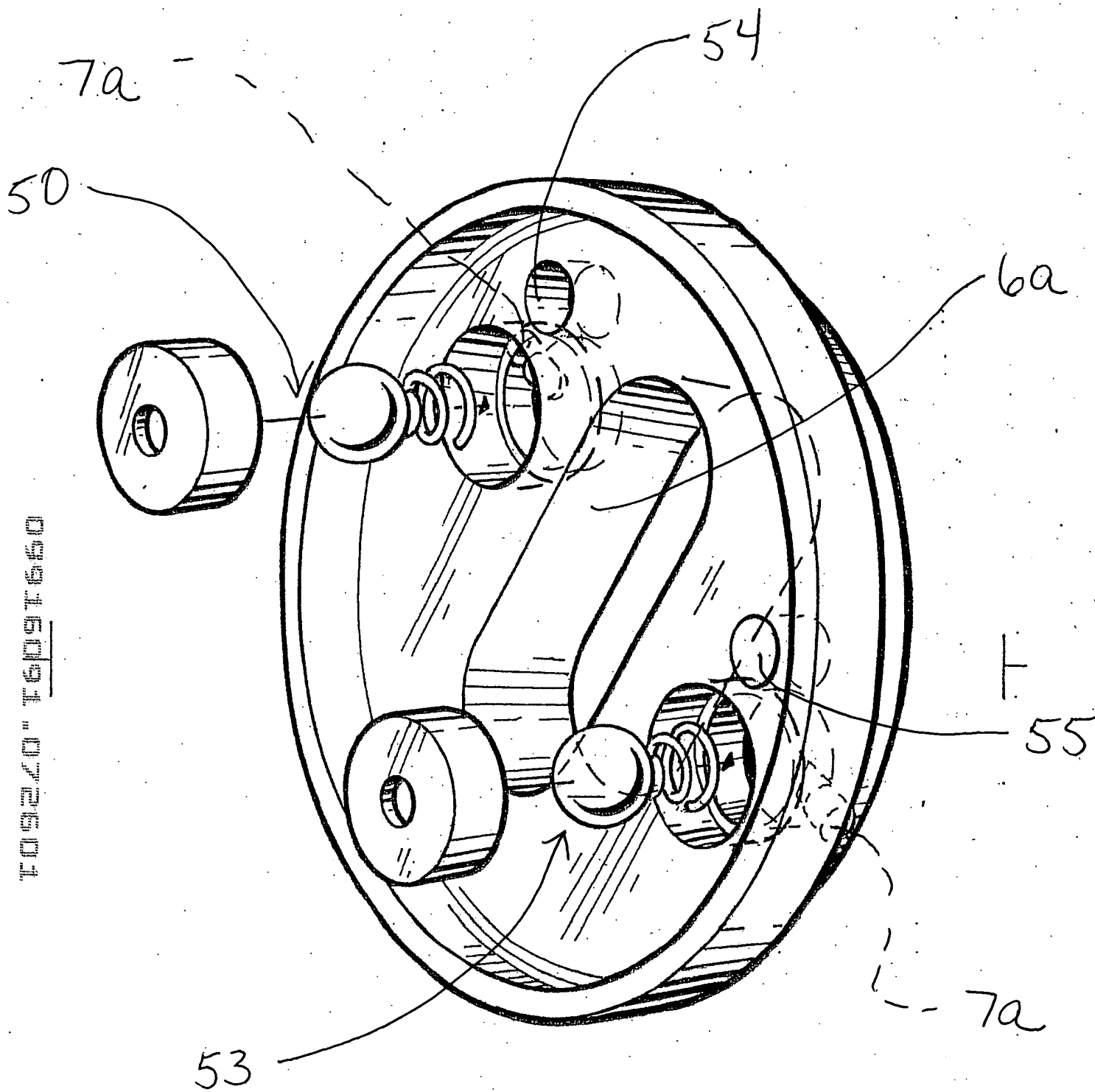
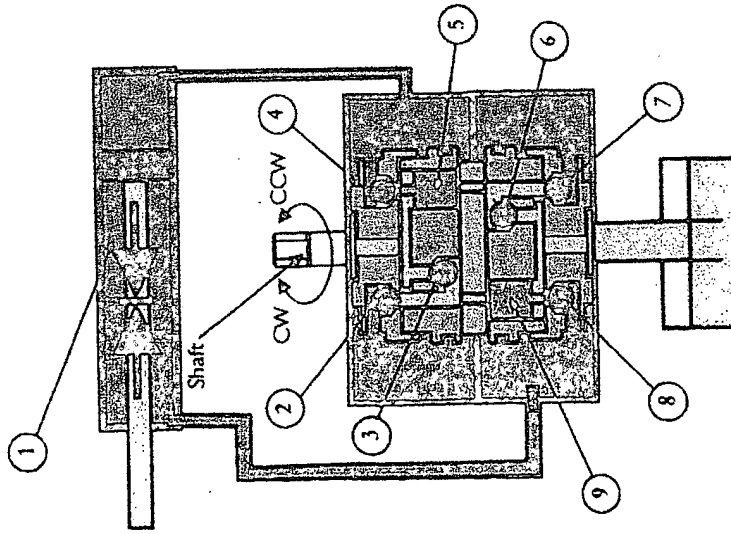


FIG. 18

# DOUBLE ACTING BI-ROTATIONAL PUMP

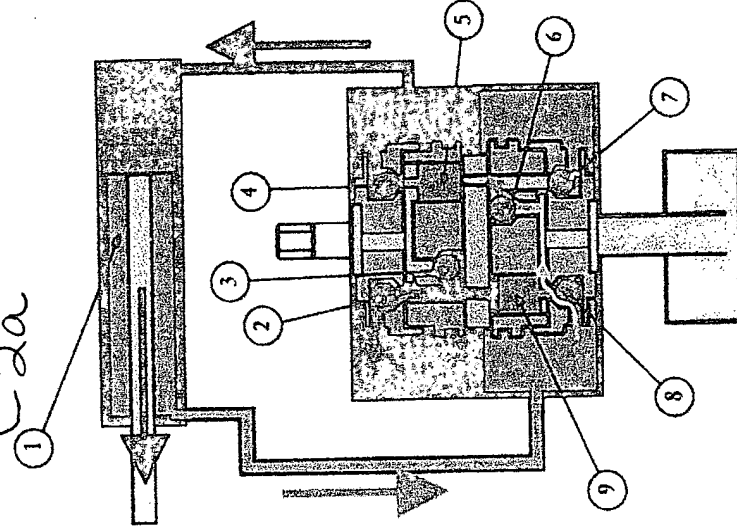
LOCKED - 3a

Actuator hydraulically locked in position



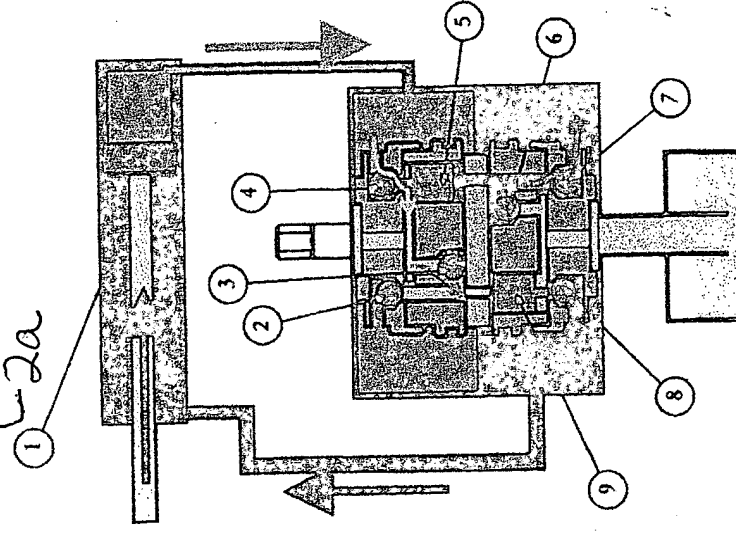
EXTEND - 10a





Pump rotating clockwise



RETRACT - 11a

Pump rotating counter clockwise



-  Fluid connected to tank
-  Fluid locked in between actuator and pump
-  Fluid in return to tank, low pressure
-  Fluid high pressure working actuator

- 1. Hydraulic actuator
- 2. Check vlv out for extend
- 3. Suction check vlv for retract
- 4. Pilot check vlv for retract
- 5. Retract pilot piston
- 6. Suction check vlv for extend
- 7. Check vlv for retract
- 8. Pilot check vlv for extend
- 9. Extend pilot piston

FIG. 20

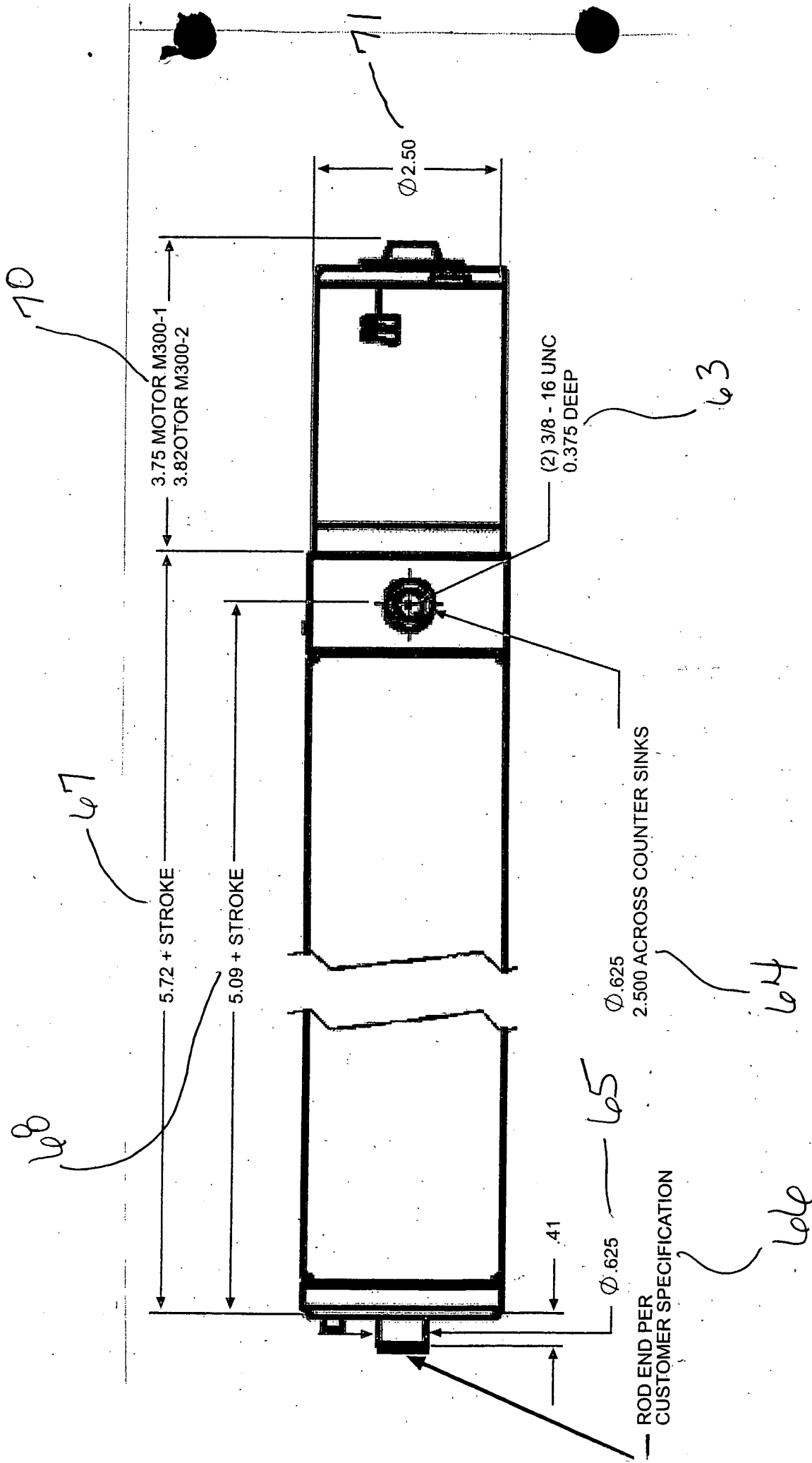


FIG 20

# Actuator 125-35

Force, Speed, Current draw

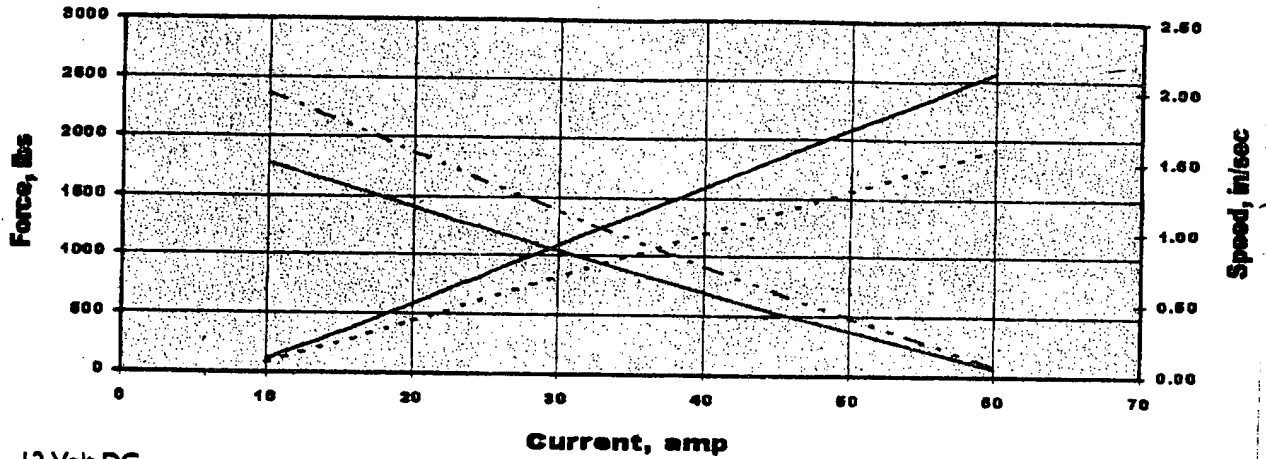


FIG 21

## ACTUATOR 125-035 WEIGHT

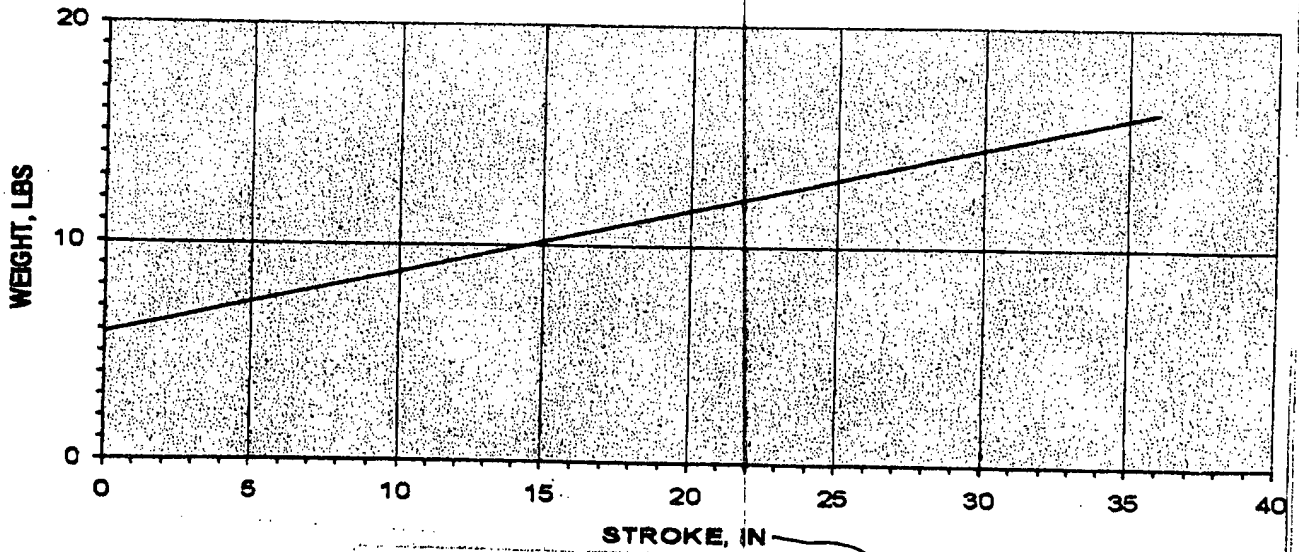


FIG 22